Cable & Wire	.23276
Circuit Equipment	.24241
Switching Equipment	.25703

The expenses that vary based on the number of lines includes customer operations - marketing, customer operations - services, corporate operations, and other depreciation/amortization. This cost per line is also developed from 1995 ARMIS. This annual cost per line is $133.39. The BCM2 uses an allocation factor to associate non-plant related expenses to local service. Both the annual cost per line and the allocation factor are user adjustable. The BCM2 default value for the allocation factor is .75.

User Adjustable Inputs

Nearly all the variables included in the BCM2 are user adjustable. U S WEST and Sprint have set default values for the inputs at levels that they feel represent forward-looking practices for the deployment of basic local telephone service. Attachment A is a map of the User Inputs and Tables. This map indicates where specific input tables are located on the Input Tables worksheet.

Below are listed the BCM2's user inputs. Following the user input list are user adjustable tables used in the calculations of investments.

USER INPUTS TO MODEL

Variable	Value	Description
NormalUGDepth	24	Normal Placement Depth in inches for Buried/Underground Copper Cable
NormalFiberDepth	36	Normal Placement Depth in inches for Buried/Underground Fiber
CriticalWaterDepth	3	Depth in feet at which water impacts placement costs
WaterFactor	30	% Cost increase for presence of water within critical depth
ResLinesMultiplier	1.21	Residence Lines per household multiplier
MaxFiberSize	144	Maximum Fiber Cable Size
MaxFeederSize	4200	Maximum Copper Feeder Cable Size
Max DistSize	3600	Maximum Copper Distribution Cable Size
CprMaxDistr	12000	Maximum length of copper cable in the CBG distribution area
NewTerrainTrigger	5	Value that triggers new terrain variable multiplier
NewTerrainFactor	1	Cost multiplier when new terrain variable exceeds trigger point
MinSlopeTrigger	12	Point at which minimum slope effects placement distance

MinSlopeFactor	1.1	Change in distance due to increased average slope
MaxSlopeTrigger	30	Point where presence of very high slope causes yet more cable distance
MaxSlopeFactor	1.05	Change in distance due to a maximum only slope presence
CombSlopeFactor	1.2	Secondary change in distance due to substantial slope presence
EngrInstall	35	Engineering and installation loading factor for electronics
ElectronicFill	0.85	Fill Factors for Electronics
HiCapFill	0.95	Fill Factors for High Capacity Optic Multiplexers
SpecAccRatio	0.13	Ratio of Special Access Lines to Business and Special Access
DensAdjUnits	10	Average Number of Business lines per location
OpticsCost	162000	Average cost for each DS-3 for CO and field DS3 to DS1 multiplexers
CopperT1	1133	Average Cost per DS-1 on copper (both terminals & repeater)
InterofficeSwRatio	1.03	Multiplier to add interoffice trunking cost
	20	Digital Switching Discount % (Enter whole %)
	20	Fiber Cable Discount % (Enter whole %)
	20	Copper Cable Discount % (Enter whole %)
	10	AFC Electronics Discount % (Enter whole %)
	20	SLC Electronics Discount % (Enter whole %)
DropCostPerFoot	0.1	Drop Cost per FT
PedestalCost	48.22	Cost of Pedestal
NidCost	30	Cost per NID
Input Variables for switching and overheads[1]		
SwitchEngrFactor	1.07	Loading Factor for Switch Engineering
SwitchFillFactor	0.8	Switch Fill Factor
SwLandBldgFactor	1.043	Sw Land & Building Factor
NonTrfSen	70.00%	% Non Traffic Sensitive (Enter as decimal)
TrfSen	73.93%	% of Traffic Sensitive that is local (Enter as decimal)
OSPEngrFactor	1.05	Loading Factor for Outside Plant Engineering
FiberSpliceRatio	0.045	Loading Factor for splicing of fiber cable (Enter as decimal)
FiberInLineRatio	0.07	Additive for in line pedestals, cross connects, etc. (fiber)
CopperSpliceRatio	0.07	Loading Factor for splicing of copper cable (Enter as decimal)
CopperInLineRatio	0.1	Additive for in line pedestals, cross connects, etc. (Copper)
CableWireFactor1	0.23276	Factor 1 for cable & Wire Facilities
ElectronicsFactor1	0.24241	Factor 1 for circuit Facilities
SwitchingFactor1	0.25703	Factor 1 for Switching facilities
OtherFactor1	133.391	Factor 1 for other loading per line served
OtherAllocRatio1	0.75	Allocation Factor 1 applied to non-plant related expenses

CableWireFactor2	0.23276	Factor 2 for cable & Wire Facilities
ElectronicsFactor2	0.24241	Factor 2 for circuit Facilities
SwitchingFactor2	0.25703	Factor 2 for Switching facilities
OtherFactor2	133.391	Factor 2 for other loading per line served
OtherAllocRatio2	0.45	Allocation Factor 2 applied to non-plant related expenses
CprSizeFctr1	1.2	Structure Cost multiplier for cables 401 to 900 pr versus < 400 pr
CprSizeFctr2	1.3	Structure Cost multiplier for cables 901 to 1500 pr versus < 400 pr
CprSizeFctr3	1.4	Structure Cost multiplier for cables 1501 to max size versus < 400 pr
FbrSizeFctr	1.2	Structure Cost Multiplier for fiber cables >60 fibers versus < 60 fibers
UGPullCost	0.77	Cost per ft to pull UG cables into conduit duct

Miscellaneous Calculations (Do not change any value!)		
AfcDiscount	0.9	AFC Pricing ratio after Discount
SlcDiscount	0.8	SLC Pricing ratio after Discount
FiberCostRatio	0.8	Fiber cable cost factor
CopperCostRatio	0.8	Copper Cable Cost factor
SwitchingCostRatio	0.8	Digital Switching cost ratio after discount
OptionalBenchMark		Optional Benchmark to replace 80
LoopInvCap	10000	Loop Investment Cap
Breakpoint	12000	Fiber/Copper breakpoint

Miscellaneous Notes

1. Switching costs are entered as a fixed cost per switch plus the per line additive. Both costs must be included to accurately reflect switching costs. The fixed cost will be converted to a per line cost and added to the per line additive to determine final switching cost per line. Costs are in the switch cost matrix above and to the right. The % Non traffic sensitive is applied to the fixed cost portion of the switch.

TABLES

Surface Type	
RockH	=Hard rock above plowing depth - requires dynamite or rock saw to place
RockS	=Soft rock above plowing depth - requires more costly trenching, backhoeing, etc.
Normal	=Straight plowing with minimal surface impact

Urban Copper Cable Table		
Cost Multiplier		
Structure	Below Ground $	Aerial $

Urban Fiber Table		
Cost Multiplier		
Structure	Below Ground $	Aerial $

RockH	20.84	14.18
RockS	13.92	10.59
Normal	10.7	7.62

RockH	20.84	14.18
RockS	13.92	10.59
Normal	10.7	7.62

Rural Copper Cable Table		
Cost Multiplier		
Structure	Below Ground $	Aerial $
RockH	13.59	8.07
RockS	5.76	5.86
Normal	2.92	4.08

Rural Fiber Table		
Cost Multiplier		
Structure	Below Ground $	Aerial $
RockH	13.59	8.07
RockS	5.76	5.86
Normal	2.92	4.08

Distribution UG/Aerial Mix Table		
Density	Below Ground %	Aerial%
0-5	90	10
5-200	80	20
200-650	70	30
650-850	70	30
850-2550	80	20
>2550	90	10

Copper Feeder UG/Aerial Mix Table		
Density	Below Ground %	Aerial%
0-5	70	30
5-200	72	28
200-650	75	25
650-850	75	25
850-2550	80	20
>2550	90	10

Fiber Feeder UG/Aerial Mix Table		
Density	Below Ground %	Aerial%
0-5	95	5
5-200	85	15
200-650	70	30
650-850	70	30
850-2550	80	20
>2550	90	10

Density/Fill Table

Density	Feeder	Distribution	
0	0.75	0.4	4
5	0.8	0.45	5
200	0.8	0.55	6
650	0.85	0.65	7
850	0.85	0.75	8
2550	0.85	0.8	9

StructureAllocationTable		
Cable Size	Cable Structure %	Fiber Structure %
0	50	50
200	55	45
900	60	40
2400	65	35
4200	75	25

Cost for AFC/SLC 200/LightSpan equipment		
DigitalCarrierCost	(Non-discounted material cost only)	
0	7700	250
48	8500	250
120	10500	250
240	77330	184
672	94909	184
1334	105409	184

CO Switch Size Table
COSwitchSize
500000
100000
60000
10000

CO Switch Cost Table		
COSwitchCost	Fixed/Startup $	Per Line $
Remote	250000	100
10000	400000	100
60000	600000	100
100000	900000	100
500000	1500000	100

Voice Grade Ratio Table				
# switched lines in CBG	% switched to VG	% switched to DS1	% special to VG	% special to DS1
0	1	0	1	0
2016	0.65	0.35	0.5	0.5
10000	0.5	0.5	0.3	0.7
20000	0.75	0.25	0.1	0.9

Distribution Cable Size Table		DISTRIBUTION CABLE COST							
Cable Distr Cost	Cable Size	Cost UG/Brd	Cost Aerial	Density= 0-5	Density= 5-200	Density= 200-650	Density= 650-850	Density= 850-2550	Density >2550
	3600	22.20	21.90	17.74	17.71	17.69	17.69	17.71	17.74
	3000	18.80	18.50	15.02	14.99	14.97	14.97	14.99	15.02
	2400	14.30	14.10	11.42	11.41	11.39	11.39	11.41	11.42
	1800	12.44	12.24	9.94	9.92	9.90	9.90	9.92	9.94
	1200	10.68	10.00	8.49	8.43	8.38	8.38	8.43	8.49
	900	7.82	7.51	6.23	6.21	6.18	6.18	6.21	6.23
	600	7.13	7.05	5.70	5.69	5.69	5.69	5.69	5.70
	400	4.62	4.56	3.69	3.68	3.68	3.68	3.68	3.69
	200	2.36	2.33	1.89	1.89	1.88	1.88	1.89	1.89
	100	1.27	1.26	1.01	1.01	1.01	1.01	1.01	1.01
	50	0.68	0.67	0.54	0.54	0.54	0.54	0.54	0.54
	25	0.37	0.36	0.29	0.29	0.29	0.29	0.29	0.29
	18	0.32	0.31	0.26	0.25	0.25	0.25	0.25	0.26
	12	0.28	0.28	0.22	0.22	0.22	0.22	0.22	0.22

Feeder Cable Size Table		COPPER FEEDER COST							
FeederCableCost	Cable Size	Cost UG/Brd	Cost Aerial	Density= 0-5	Density= 5-200	Density= 200-650	Density= 650-850	Density= 850-2550	Density >2550
	4200	25.70	25.40	20.49	20.49	20.50	20.50	20.51	20.54
	3600	22.20	21.90	17.69	17.69	17.70	17.70	17.71	17.74
	3000	18.80	18.50	14.97	14.97	14.98	14.98	14.99	15.02
	2400	14.30	14.10	11.39	11.40	11.40	11.40	11.41	11.42
	1800	12.44	12.24	9.90	9.91	9.91	9.91	9.92	9.94
	1200	10.68	10.00	8.38	8.39	8.41	8.41	8.44	8.49
	900	7.82	7.51	6.18	6.19	6.19	6.19	6.21	6.23
	600	7.13	7.05	5.68	5.69	5.69	5.69	5.69	5.70
	400	4.62	4.56	3.68	3.68	3.68	3.68	3.68	3.69
	200	2.36	2.33	1.88	1.88	1.88	1.88	1.88	1.89
	100	1.27	1.26	1.01	1.01	1.01	1.01	1.01	1.01
	50	0.68	0.67	0.54	0.54	0.54	0.54	0.54	0.54
	25	0.37	0.36	0.29	0.29	0.29	0.29	0.29	0.29

Fiber Cable Cost Table		FIBER CABLE COST							
Fiber Cable Cost	Cable Size	Cost UG/Brd	Cost Aerial	Density= 0-5	Density= 5-200	Density= 200-650	Density= 650-850	Density= 850-2550	Density >2550
	144	5.56	5.24	4.44	4.41	4.37	4.37	4.40	4.42
	96	3.80	3.53	3.03	3.01	2.98	2.98	3.00	3.02
	72	2.84	2.65	2.26	2.25	2.23	2.23	2.24	2.26
	60	2.41	2.23	1.92	1.91	1.88	1.88	1.90	1.91
	48	1.98	1.84	1.58	1.57	1.55	1.55	1.56	1.57
	36	1.60	1.46	1.27	1.26	1.25	1.25	1.26	1.27
	24	1.18	1.05	0.94	0.93	0.91	0.91	0.92	0.93
	18	0.98	0.85	0.78	0.77	0.75	0.75	0.76	0.77
	12	0.79	0.66	0.63	0.62	0.60	0.60	0.61	0.62

CostFactorTabl
e

Row #	Plant Type	Urban/ RuraL	Density	Surface Category	Weighted Cost Factor	Below Ground Density Adjustment	Aerial Density Adjustment
1	Distribution	Urban	>2550	RockH	23.59262	1.18	1.03
2				RockS	17.56779	1.30	1.21
3				Normal	13.31148	1.30	1.04
4	Distribution	Urban	850-2550	RockH	16.58868	0.83	0.97
5				RockS	10.07238	0.72	0.97
6				Normal	7.62624	0.72	0.96
7	Distribution	Rural	650-850	RockH	13.13253	1.07	1.22
8				RockS	7.76892	1.36	1.30
9				Normal	6.07944	2.10	1.46
10	Distribution	Rural	200-650	RockH	12.43557	1.04	1.05
11				RockS	6.43722	1.13	1.07
12				Normal	3.48428	1.01	1.16
13	Distribution	Rural	5-200	RockH	11.922	0.96	0.92
14				RockS	4.95988	0.85	0.89
15				Normal	2.45968	0.77	0.81
16	Distribution	Rural	0-5	RockH	11.95461	0.92	0.87
17				RockS	4.83508	0.84	0.82
18				Normal	1.77132	0.57	0.67
19	Feeder	Urban	>2550	RockH	23.59262	1.18	1.03
20				RockS	17.56779	1.30	1.21
21				Normal	13.31148	1.30	1.04
22	Feeder	Urban	850-2550	RockH	16.58868	0.83	0.97
23				RockS	10.07238	0.72	0.97
24				Normal	7.62624	0.72	0.96
25	Feeder	Rural	650-850	RockH	13.367325	1.07	1.22
26				RockS	7.7797	1.36	1.30
27				Normal	6.0882	2.10	1.46
28	Feeder	Rural	200-650	RockH	12.718575	1.04	1.05
29				RockS	6.44915	1.13	1.07
30				Normal	3.3951	1.01	1.16
31	Feeder	Rural	5-200	RockH	11.47224	0.96	0.92
32				RockS	4.985432	0.85	0.89
33				Normal	2.544192	0.77	0.81
34	Feeder	Rural	0-5	RockH	10.85823	0.92	0.87
35				RockS	4.82844	0.84	0.82
36				Normal	1.98516	0.57	0.67
37	Fiber	Urban	>2550	RockH	23.59262	1.18	1.03
38				RockS	17.44071	1.30	1.09
39				Normal	13.31148	1.30	1.04
40	Fiber	Urban	850-2550	RockH	16.58868	0.83	0.97
41				RockS	10.07238	0.72	0.97
42				Normal	7.62624	0.72	0.96
43	Fiber	Rural	650-850	RockH	13.13253	1.07	1.22

44				RockS	7.76892	1.36	1.30
45				Normal	6.07944	2.10	1.46
46	Fiber	Rural	200-650	RockH	12.43557	1.04	1.05
47				RockS	6.43722	1.13	1.07
48				Normal	3.48428	1.01	1.16
49	Fiber	Rural	5-200	RockH	12.2031	0.96	0.92
50				RockS	4.94391	0.85	0.89
51				Normal	2.40686	0.77	0.81
52	Fiber	Rural	0-5	RockH	12.228705	0.92	0.87
53				RockS	4.83674	0.84	0.82
54				Normal	1.71786	0.57	0.67

Surface Texture Table

Texture	Impact?	Description of Texture
	0	Blank
BY	1	Bouldery
BY-COS	1	Bouldery Course Sand
BY-FSL	1	Bouldery & Fine Sandy Loam
BY-L	1	Bouldery & Loam
BY-LS	1	Bouldery & Sandy Loam
BY-SICL	1	Bouldery & Silty Clay Loam
BY-SL	1	Bouldery & Sandy Loam
BYV	1	Very Bouldery
BYV-FSL	1	Very Bouldery & Fine Sandy Loam
BYV-L	1	Very bouldery & Loamy
BYV-LS	1	Very Bouldery & Loamy Sand
BYV-SIL	1	Very Bouldery & Silt
BYV-SL	1	Very Bouldery & Sandy Loam
BYX	1	Extremely Bouldery
BYX-FSL	1	Extremely Bouldery & Fine Sandy Loam
BYX-L	1	Extremely Bouldery & Loamy
BYX-SIL	1	Extremely Bouldery & Silt Loam
BYX-SL	1	Extremely Bouldery & Sandy Loam
C	0	Clay
CB	0	Cobbly
CBA	1	Angular Cobbly
CBA-FSL	1	Angular Cobbly & Fine Sandy Loam
CB-C	0	Cobbly & Clay
CB-CL	0	Cobbly & Clay Loam
CB-COSL	0	Cobbly & Coarse Sandy Loam
CB-FS	0	Cobbly & Fine Sand
CB-FSL	0	Cobbly & Fine Sandy Loam
CB-L	0	Cobbly & Loamy
CB-LCOS	0	Cobbly & Loamy CourseSand
CB-LS	0	Cobbly & Loamy Sand
CB-S	0	Cobbly & Sand
CB-SCL	0	Cobbly & Sandy Clay Loam
CB-SICL	0	Cobbly & Silty Clay Loam

CB-SIL	0	Cobbly & Silt Loam
CB-SL	1	Cobbly & Sandy Loam
CBV	1	Very Cobbly
CBV-C	1	Very Cobbly & Clay
CBV-CL	1	Very Cobbly & Clay Loam
CBV-FSL	1	Very Cobbly & Fine Sandy Loam
CBV-L	1	Very Cobbly & Loamy
CBV-LFS	1	Very Cobbly & Fine Loamy Sand
CBV-LS	1	Very Cobbly & Loamy Sand
CBV-MUCK	1	Very Cobbly & Muck
CBV-SCL	1	Very Cobbly & Sandy Clay Loam
CBV-SIL	1	Very Cobbly & Silt
CBV-SL	1	Very Cobbly & Sandy Loam
CBV-VFS	1	Very Cobbly & Very Fine Sand
CBX	1	Extremely Cobbly
CBX-L	1	Extremely Cobbly Loam
CBX-CL	1	Extremely Cobbly & Clay
CBX-SIL	1	Extremely Cobbly & Silt
CBX-SL	1	Extremely Cobbly &Sandy Loam
CBX-VFSL	1	Extremely Cobbly Very Fine Sandy Loam
CE	0	Coprogenous Earth
CIND	0	Cinders
CL	0	Clay Loam
CM	1	Cemented
CN	0	Channery
CN-CL	0	Channery & Clay Loam
CN-FSL	0	Channery & Fine Sandy Loam
CN-L	0	Channery & Loam
CN-SICL	0	Channery & Silty Clay Loam
CN-SIL	0	Channery & Silty Loam
CN-SL	0	Channery & Sandy Loam
CNV	0	Very Channery
CNV-CL	0	Very Channery & Clay
CNV-L	0	Very Channery & Loam
CNV-SCL	0	Channery & Sandy Clay Loam
CNV-SIL	0	Very Channery & Silty Loam
CNV-SL	0	Very Channery & Sandy Loam
CNX	0	Extremely Channery
CNX-SL	0	Extremely Channery & Sandy Loam
COS	0	Coarse Sand
COSL	0	Coarse Sandy Loam
CR	0	Cherty
CRC	1	Coarse Cherty
CR-L	1	Cherty & Loam
CR-SICL	1	Cherty & Silty Clay Loam
CR-SIL	1	Cherty & Silty Loam
CR-SL	1	Cherty & Sandy Loam
CRV	1	Very Cherty
CRV-L	1	Very Cherty & Loam

CRV-SIL	1	Very Cherty & Silty Loam
CRX	1	Extremely Cherty
CRX-SIL	1	Extremely Cherty & Silty Loam
DE	0	Diotomaceous Earth
FB	0	Fibric Material
FINE	0	Fine
FL	0	Flaggy
FL-FSL	0	Flaggy & Fine Sandy Loam
FL-L	0	Flaggy & Loam
FL-SIC	0	Flaggy & Silty Clay
FL-SICL	0	Flaggy & Silty Clay Loam
FL-SIL	0	Flaggy & Silty Loam
FL-SL	0	Flaggy & Sandy Loam
FLV	1	Very Flaggy
FLV-COSL	1	Very Flaggy & Coarse Sandy Loam
FLV-L	1	Very Flaggy & Loam
FLV-SICL	1	Very Flaggy & Silty Clay Loam
FLV-SL	1	Very Flaggy & Sandy Loam
FLX	1	Extremely Flaggy
FLX-L	1	Extremely Flaggy & Loamy
FRAG	0	Fragmental Material
FS	0	Fine Sand
FSL	0	Fine Sandy Loam
G	0	Gravel
GR	0	Gravelly
GRC	0	Course Gravelly
GR-C	0	Gravel & Clay
GR-CL	0	Gravel & Clay Loam
GR-COS	0	Gravel & Course Sand
GR-COSL	0	Gravel & Coarse Sandy Loam
GRF	0	Fine Gravel
GRF-SIL	0	Fine Gravel Silty Loam
GR-FS	0	Gravel & Fine Sand
GR-FSL	0	Gravel & Fine Sandy Loam
GR-L	0	Gravel & Loam
GR-LCOS	0	Gravel & Loamy Course Sand
GR-LFS	0	Gravel & Loamy Fine Sand
GR-LS	0	Gravel & Loamy Sand
GR-MUCK	0	Gravel & Muck
GR-S	0	Gravel & Sand
GR-SCL	0	Gravel & Sandy Clay Loam
GR-SIC	0	Gravel & Silty Clay
GR-SICL	0	Gravel & Silty Clay Loam
GR-SIL	0	Gravel & Silty Loam
GR-SL	0	Gravel & Sandy Loam
GR-VFSL	0	Gravel & Very Fine Sandy Loam
GRV	1	Very Gravelly
GRV-CL	1	Very gravelly & Clay Loam
GRV-COS	1	Very Gravelly & Course Sand
GRV-COSL	1	Very Gravelly & Course Sandy

		Loam
GRV-FSL	1	Very Gravelly & Fine Sandy Loam
GRV-L	1	Very Gravelly & Loam
GRV-LCOS	1	Very Gravelly & Loamy Course Sand
GRV-LS	1	Very Gravelly & Loamy Sand
GRV-S	1	Very Gravelly & Sand
GRV-SCL	1	Very Gravelly & Sandy Clay Loam
GRV-SICL	1	Very Gravelly & Silty Clay Loam
GRV-SIL	1	Very Gravelly & Silt
GRV-SL	1	Very Gravelly & Sandy Loam
GRV-VFS	1	Very Gravelly & Very Fine Sand
GRV-VFSL	1	Very Gravelly & Very Fine Sandy Loam
GRX	1	Extremely Gravelly
GRX-CL	1	Extremely Gravelly & Coarse Loam
GRX-COS	1	Extremely Gravelly & Coarse Sand
GRX-COSL	1	Extremely Gravelly & Coarse Sandy Loam
GRX-FSL	1	Extremely Gravelly & Fine Sand Loam
GRX-L	1	Extremely Gravelly & Loam
GRX-LCOS	1	Extremely Gravelly & Loamy Coarse
GRX-LS	1	Extremely Gravelly & Loamy Sand
GRX-S	1	Extremely Gravelly & Sand
GRX-SIL	1	Extremely Gravelly & Silty Loam
GRX-SL	1	Extremely Gravelly & Sandy Loam
GYP	1	Gypsiferous Material
HM	0	Hemic Material
ICE	1	Ice or Frozen Soil
IND	1	Indurated
L	0	Loam
LCOS	0	Loamy Course Sand
LFS	0	Loamy Fine Sand
LS	0	Loamy Sand
LVFS	0	Loamy Very Fine Sand
MARL	0	Marl
MEDIUM COURSE	0	Medium Course
MK	0	Mucky
MK-C	0	Mucky Clay
MK-CL	0	Mucky Clay Loam
MK-FS	0	Muck & Fine Sand
MK-FSL	0	Muck & Fine Sandy Loam
MK-L	0	Mucky Loam
MK-LFS	0	Mucky Loamy Fine Sand
MK-LS	0	Mucky Loamy Sand
MK-S	0	Muck & Sand
MK-SI	0	Mucky & Silty
MK-SICL	0	Mucky & Silty Clay Loam
MK-SIL	0	Mucky Silt

MK-SL	0	Mucky & Sandy Loam
MK-VFSL	0	Mucky & Very Fine Sandy Loam
MPT	0	Mucky Peat
MUCK	0	Muck
PEAT	0	Peat
PT	0	Peaty
RB	1	Rubbly
RB-FSL	1	Rubbly Fine Sandy Loam
S	0	Sand
SC	0	Sandy Clay
SCL	0	Sandy Clay Loam
SG	0	Sand & Gravel
SH	0	Shaly
SH-CL	0	Shaly & Clay
SH-L	0	Shale & Loam
SH-SICL	0	Shaly & Silty Clay Loam
SH-SIL	0	Shaly & Silt Loam
SHV	1	Very Shaly
SHV-CL	1	Very Shaly & Clay Loam
SHX	1	Extremely Shaly
SI	0	Silt
SIC	0	Silty Clay
SICL	0	Silty Clay Loam
SIL	0	Silt Loam
SL	0	Sandy Loam
SP	0	Sapric Material
SR	0	Stratified
ST	0	Stony
ST-C	0	Stony & Clay
ST-CL	0	Stony & Clay Loam
ST-COSL	0	Stony & Course Sandy Loam
ST-FSL	0	Stony & Fine Sandy Loam
ST-L	0	Stony & Loamy
ST-LCOS	0	Stony & Loamy Course Sand
ST-LFS	0	Stony & Loamy Fine Sand
ST-LS	0	Stony & Loamy Sand
ST-SIC	0	Stony & Silty Clay
ST-SICL	0	Stony & Silty Clay Loam
ST-SIL	0	Stony & Silt Loam
ST-SL	0	Stony & Sandy Loam
ST-VFSL	0	Stony & Sandy Very Fine Silty Loam
STV	1	Very Stony
STV-C	1	Very Stony & Clay
STV-CL	1	Very Stony & Clay Loam
STV-VFSL	1	Very Stony & Very Fine Sandy Loam
STV-FSL	1	Very Stony & Fine Sandy Loam
STV-L	1	Very Stony & Loamy
STV-LFS	1	Very Stony & Loamy Fine Sand
STV-LS	1	Very Stony & Loamy Sand

STV-MPT	1	Very Stony & Mucky Peat
STV-MUCK	1	Very Stony & Muck
STV-SICL	1	Very Stony & Silty Clay Loam
STV-SIL	1	Very Stony & Silty Loam
STV-SL	1	Very Stony & Sandy Loam
STV-VFSL	1	Very Stony & Very Fine Sandy Loam
STX	1	Extremely Stony
STX-C	1	Extremely Stony & Clay
STX-CL	1	Extremely Stony & Clay Loam
STX-COS	1	Extremely Stony & Course Sand
STX-COSL	1	Extremely Stony & Course Sand Loam
STX-FSL	1	Extremely Stony & Fine Sandy Loam
STX-L	1	Extremely Stony & Loamy
STX-LCOS	1	Extremely Stony & Loamy Course Sand
STX-LS	1	Extremely Stony & Loamy Sand
STX-MUCK	1	Extremely Stony & Muck
STX-SIC	1	Extremely Stony & Silty Clay
STX-SICL	1	Extremely Stony & Silty Clay Loam
STX-SIL	1	Extremely Stony & Silty Loam
STX-SL	1	Extremely Stony & Sandy Loam
STX-VFSL	1	Extremely Stony & Very Fine Sandy Loam
SY	1	Slaty
SY-L	1	Slaty & Loam
SY-SIL	1	Slaty & Silty Loam
SYV	1	Very Slaty
SYX	1	Extremely Slaty
UNK	0	Unknown
UWB	1	Unweathered Bedrock
VAR	0	Variable
VFS	0	Very Fine Sand
VFSL	0	Very Fine Sandy loam
WB	1	Weathered Bedrock

ATTACHMENT A

TABLES

User Inputs to Model
A1 : C60

Urban Copper Cable Table
E6 : A12

Rural Copper Cable Table
E14 : G19

Distribution UG/Aerial Mix
E21 : G28

Fiber Feeder UG/Aerial Mix
E30 : G37

Urban Fiber Table
I7 : K12

Rural Fiber Table
I14 : K19

Copper Feeder UG/Aerial Mix Table
I21 : K28

Density/Fill Table
I30 : K37

Structure Allocation Table
M2 : O8

Cost for AFC/SLC 200 Equipment
M12 : O19

CO Switch Cost Table
O22 : Q28

Voice Grade Ratio Table
N31 : R36

Miscellaneous Calculations
(Do not change any value)
A62 : C70

Miscellaneous Notes
A73 : C77

Distribution Cable size Table
H40 : I55

Feeder Cable Size Table
H59 : I73

Fiber Cable Cost Table
H76 : I86

Cost Factor Table
E88 : L143

Surface Texture Table
E145 : I405